

Update

Ministry

Describe: Basic Job Details**Position**

Position ID

Position Name (30 characters)

Current Class

Job Focus

Supervisory Level

Agency (ministry) code

Cost Centre

Program Code: (enter if required)

Employee

Employee Name (or Vacant)

Organizational Structure

Division, Branch/Unit

 Current organizational chart attached?

Supervisor's Position ID

Supervisor's Position Name (30 characters)

Supervisor's Current Class

Design: Identify Job Duties and Value**Changes Since Last Reviewed**

Date yyyy-mm-dd

Responsibilities Added:

Responsibilities Removed:

Job Purpose and Organizational Context

Why the job exists:

Reporting to Water Projects Management (WPM) Manager, this position provides civil engineering support to the Branch (Geotechnical/ Hydrotechnical/ Project Management) for the rehabilitation of Agriculture and Irrigation (AGI) water infrastructure in partnership with other Government of Alberta (GOA) departments. A good understanding of geotechnical or hydrotechnical engineering as well as project management related to the infrastructure is

required.

Responsibilities

Job outcomes (4-6 core results), and for each outcome, 4-6 corresponding activities:

1. Inspects and assists in the identification of deficiencies in AGI owned Water Management infrastructure to ensure the performance requirements stated in the Department Business Plan are satisfied.
2. Manages consulting engineering studies for assessment of the infrastructure to investigate and identify deficiencies in existing infrastructure.
3. Prepares Project Implementation Reports (PIR) for rehabilitation and repair of the Infrastructure, based on investigation reports, studies and inspections.
4. Represents WIOB on project implementation teams with other GOA departments and consultants, and provides technical review of designs, reports, drawings and tender documents for the projects.
5. Provides standards and guidance on departmental requirements for the projects and provides civil engineering expertise to the WPM team.
6. Provides technical support to WIOB operations staff regarding Operation, Maintenance and Surveillance (OM&S) of the infrastructure to ensure that the deficiencies are identified and risks are managed.
7. Works as a member of multi-disciplinary teams to accomplish departmental goals.

Problem Solving

Typical problems solved:

Typical problems solved include:

- Provision of engineering services requires a good understanding of multiple engineering disciplines which could be very complex.
- Provision of engineering advice to WIOB staff, for routine maintenance work to complex large projects.
- Supervision and working with in-house engineering and multi disciplinary consultant teams.
- Management of multi-disciplinary Engineering Consults/ Contractors could be complex and challenges.
- Project management and organizational challenges.
- Interpersonal communication and supervisory challenges.
- Ability to sift through a large amount of data, draw conclusions, and write clear/ reports or communication.

Types of guidance available for problem solving:

- Support from Sr. Management and Executive Leadership.
- Technical training/ development opportunities

Direct or indirect impacts of decisions:

Key Relationships

Major stakeholders and purpose of interactions:

Internal: WIOB Staff, Alberta Transportation and Economic Corridors, River Forecast Centre etc.
External: Alberta Communities and Public

Required Education, Experience and Technical Competencies

Education Level	Focus/Major	2nd Major/Minor if applicable	Designation
Bachelor's Degree (4 year)	Engineering		PEng

If other, specify:

Civil Engineering

Job-specific experience, technical competencies, certification and/or training:

- Must have a degree in Civil Engineering or equivalent, supplemented with advanced courses in geotechnical or hydrotechnical engineering and project management with a minimum of 6 years relevant experience.
- Eligible for membership with APEGA.
 - Must have good knowledge and experience in the design, construction and operation of water management structures, such as dams, irrigation canals and flood control structures.
 - Experience in project management would be an asset.

Behavioral Competencies

Pick 4-5 representative behavioral competencies and their level.

Competency	Level					Level Definition	Examples of how this level best represents the job
	A	B	C	D	E		
Systems Thinking	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<p>Takes a long-term view towards organization’s objectives and how to achieve them:</p> <ul style="list-style-type: none"> • Takes holistic long-term view of challenges and opportunities • Anticipates outcomes and potential impacts, seeks stakeholder perspectives • Works towards actions and plans aligned with APS values • Works with others to identify areas for collaboration 	<p>The WPM Engineer must work collaboratively with WIOB staff and stakeholders to identify and support the implementation of required investigations and capital projects to ensure the long term operability of AGI owned water management infrastructure.</p> <p>The WPM engineer must represent WIOB for the successful implementation of water management infrastructure capital projects by providing timely and relevant guidance to internal and stakeholders.</p>
Creative Problem Solving	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<p>Engages the community and resources at hand to address issues:</p> <ul style="list-style-type: none"> • Engages perspective to seek root causes • Finds ways to improve complex systems • Employs resources from other areas to solve problems • Engages others and encourages debate and idea generation to solve problems while addressing risks 	<p>The WOM Engineer must engage WIOB staff and external consultants generate alternative solutions to resolve and remedy deficiencies and operational issues with AGI owned water management infrastructure.</p>
Drive for Results	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<p>Takes and delegates responsibility for outcomes:</p> <ul style="list-style-type: none"> • Uses variety of resources to monitor own performance standards • Acknowledges even indirect responsibility • Commits to what is good for Albertans even if not immediately accepted 	<p>The WPM Engineer must ensure successful project delivery through timely interactions with external consultants, stakeholders and WIOB staff to ensure departmental requirements are met.</p>

		• Reaches goals consistent with APS direction	
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Benchmarks

List 1-2 potential comparable Government of Alberta: [Benchmark](#)

Assign

The signatures below indicate that all parties have read and agree that the job description accurately reflects the work assigned and required in the organization.

Employee Name

Date yyyy-mm-dd

Employee Signature

Supervisor / Manager Name

Date yyyy-mm-dd

Supervisor / Manager Signature

Director / Executive Director Name

Date yyyy-mm-dd

Director / Executive Director Signature

ADM Name

Date yyyy-mm-dd

ADM Signature

DM Name

Date yyyy-mm-dd

DM Signature